

RCA

User manual
Guide de l'utilisateur
Manual de usuario

It is important to read this instruction book prior to using your new product for the first time.
Nous vous recommandons de lire ce manuel d'instructions avant d'utiliser votre nouveau produit pour la première fois.
Es importante leer este manual antes de usar por vez primera su equipo.



FCC Information

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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and radiates radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

In accordance with FCC requirements, changes or modifications not expressly approved by Thomson multimedia Inc. could void the user's authority to operate this product.

This device generates and uses radio frequency (RF) energy, and if not installed and used properly, this equipment may cause interference to radio and television reception.

If this equipment does cause interference to radio or television reception (which you can determine by unplugging the unit), try to correct the interference by one or more of the following measures:

- Re-orient the receiving antenna (that is, the antenna for the radio or television that is "receiving" the interference).
- Move the unit away from the equipment that is receiving interference.
- Plug the unit into a different wall outlet so that the unit and the equipment receiving interference are on different branch circuits.

If these measures do not eliminate the interference, please consult your dealer or an experienced radio/television technician for additional suggestions.

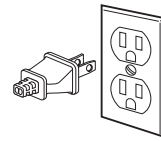
Also, the Federal Communications Commission has prepared a helpful booklet, "How To Identify and Resolve Radio TV Interference Problems."

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402. Please specify stock number 004-000-00345-4 when ordering copies.

This product complies with DHHS Rules 21 CFR Subchapter J. Applicable at the date of manufacture.

For Your Safety

The AC power plug is polarized (one blade is wider than the other) and only fits into AC power outlets one way. If the plug won't go into the outlet completely, turn the plug over and try to insert it the other way. If it still won't fit, contact a qualified electrician to change the outlet, or use a different one. Do not attempt to bypass this safety feature.



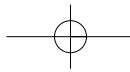
CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

Note:

This DVD player is designed and manufactured to respond to the Region Management Information. If the Region number of a DVD disc does not correspond to the Region number of this DVD player, this player cannot play the disc. The Region number for this DVD player is Region No. 1.



This audio system has earned the ENERGY STAR.



SERVICE INFORMATION

This product should be serviced only by those specially trained in appropriate servicing techniques. For instructions on how to obtain service, refer to the warranty included in this Guide.

RFC: CTM-9800723-KS5

Main plug is used as the disconnect device, it shall remain operable and should not be obstructed during intended use. To be completely disconnected the apparatus from supply mains, the main plug of the apparatus shall be disconnected from the mains socket outlet completely.

Caution!

Invisible laser radiation when open. Avoid exposure to beam. Class 1 laser product. This system must be opened only by qualified technicians to prevent accidents caused by the laser beam.

DVD copy protection

In accordance with the DVD standard, your DVD player is equipped with a Copy Protection system, which can be switched on and off by the DVD disc itself, in order to make any recording of the relevant DVD disc onto a videotape of very poor picture quality, or even impossible. This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home use only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Important Battery Information

- Do not mix different types of batteries or new and old batteries. Do not use rechargeable batteries.
- In order to avoid any risk of explosion, observe the polarities indicated inside the battery compartment. Replace only with the type of

batteries specified. Do not dispose of them in a fire or recharge them.

- If you are not using the remote control for a long period of time, remove the batteries.

Please respect the environment and prevailing regulations. Before you dispose of batteries or accumulators, ask your dealer whether they are subject to special recycling and if they will accept them for disposal.



Illustrations contained in this document are for representation only.

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CAUTION

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la class B est conforme à la norme du NMB-003 du Canada

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
<small>THE LIGHTNING FLASH AND ARROW-HEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.</small>	<small>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</small>	<small>THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.</small>
<small>SEE MARKING ON BOTTOM / BACK OF PRODUCT</small>		

WARNING: TO PREVENT FIRE OR ELECTRICAL SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. No objects filled with liquids, such as vases, should be placed on the apparatus.

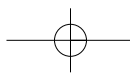


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Connections and Setup

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Remote control and 2 non-rechargeable AAA batteries

Left and right Surround Speakers

Composite Video Cable

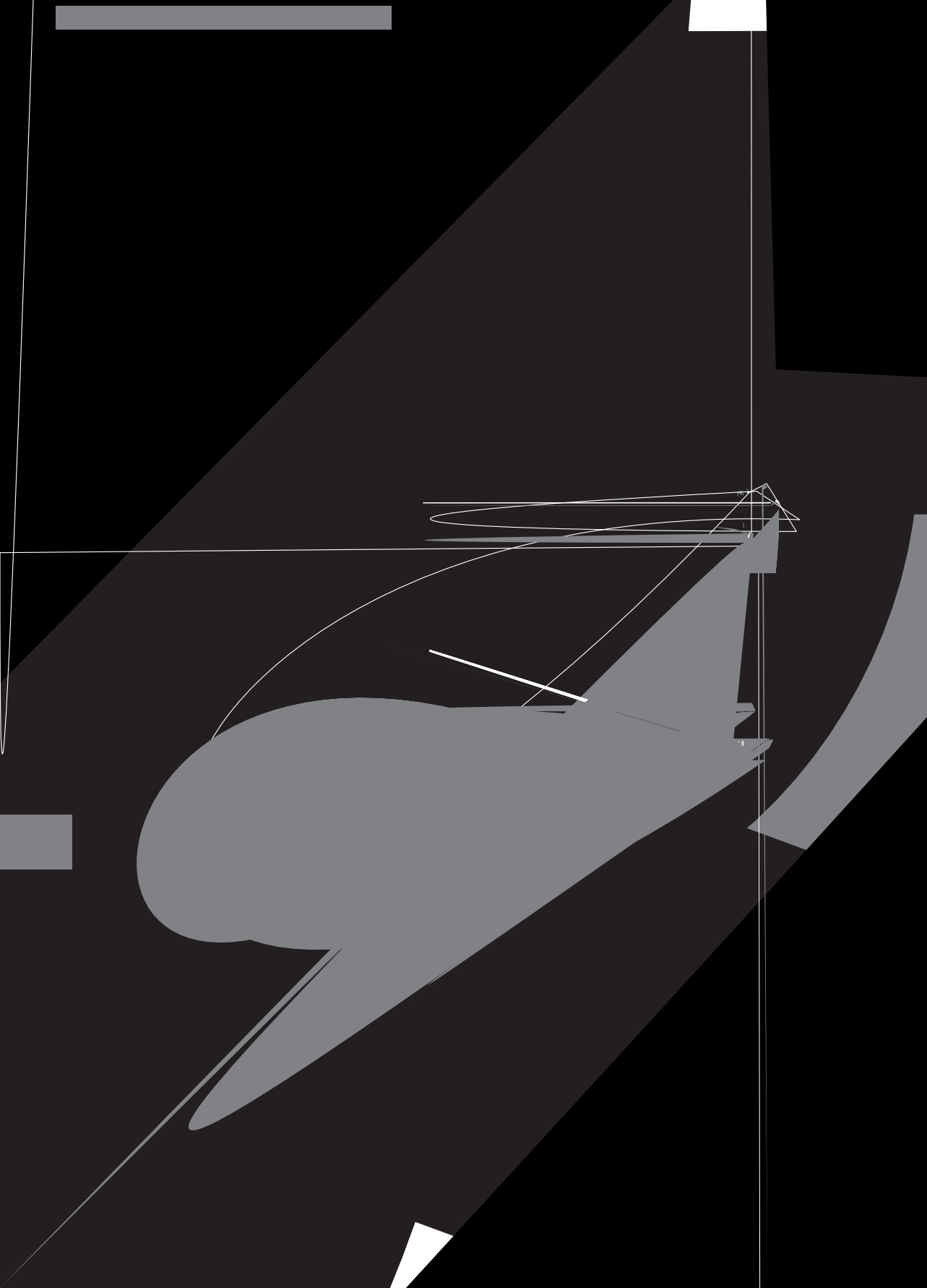
3-Tail antenna wire

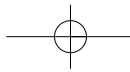
Things to consider before you connect

- Ensure that the mains supply in your home complies with that indicated on the identification sticker located on the back of your unit.
- Install your unit horizontally, away from any source of heat (fireplace) or appliances creating strong magnetic or electric fields. The components of this unit are sensitive to heat. The maximum ambient temperature should not exceed 35°C/95°F.
- Leave enough space around the unit to allow adequate ventilation: 10 cm/4 inches on either side and above the top, and 5 cm/2 inches at the rear.

The humidity of the room should not exceed 75%. If you have to use the unit outdoors, do not expose it to rain or splashing water. The apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.

- Moving the unit from a cold place to a warm one can cause condensation on some components inside the unit. Let the condensation disappear on its own before turning the unit on again.
- Before moving the unit, make sure the disc tray is empty.
- Where the mains plug or an appliance coupler is used as a disconnect device, the disconnect device shall remain readily operable.
- Other important use and cleaning information at the end of the booklet.





Connecting the speakers

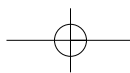
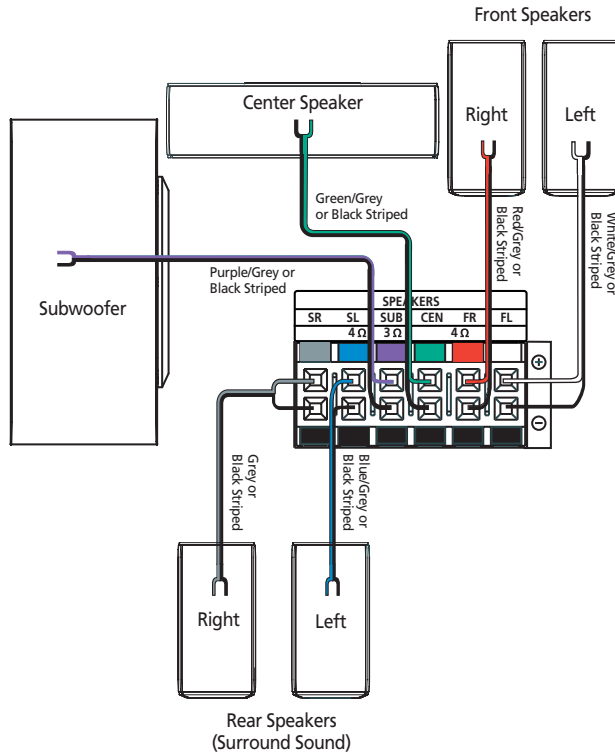
One set of speaker wire is provided with each speaker. Speaker wires are color-coded to match the terminals.

Connect the speaker wire from the back of each speaker to the corresponding color terminal at the back of the unit. Press down the tab to open the terminal and insert the wire. Release the tab to lock wire in the terminal



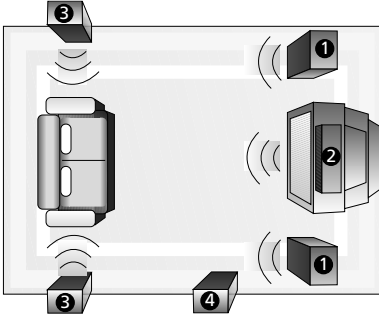
Note: When connecting the speakers, make sure the polarities (“+” speaker wire to “+” on the receiver) of speaker wires and terminals match. If the cords are reversed, the sound will be distorted. Do not let the speaker wires touch each other, it will damage the speaker.

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Connections and Setup

Positioning speakers

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Courtesy Dolby Laboratories

1. Left, Right (Front Speakers)

Front speakers carry primarily music and sound effects.

2. Center

In surround mode, the center speaker carries most of the dialog as well as music and effects. It should be set between the left and right speakers.

3. Surround (Rear Speakers)

The surround speakers' overall sound balance should be as close as possible to the front speakers. Proper placement is vital to establish an evenly distributed sound field.

4. Subwoofer

A subwoofer is designed to reproduce powerful low bass effects (explosions, the rumble of spaceships, etc.).



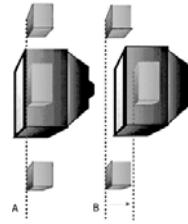
Note: Front, Center speakers provided with this unit are magnetically shielded to protect your TV set. It is not recommended to place the surround speakers and subwoofer near the TV set.

Front speaker placement

For best results, follow the speaker placement below.

Alignment

Align the center speaker evenly with (A) or slightly behind (B) (the left and right speakers), but not ahead of them.

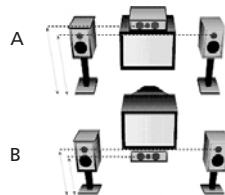


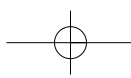
Angle

Place the left and right speakers to form a 45-degree angle with your favorite viewing position to duplicate the soundtrack mixer's perspective.

Height

The three front speakers should be as close as possible to the same height. This often requires placing the center speaker directly on top (A) or beneath (B) the TV set.





Better surround placement

Location

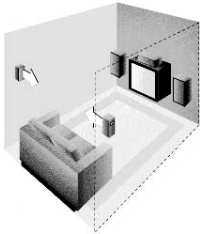
If possible, place surround speakers to either side of the listening area, not behind it.

Height

If space permits, install surround speakers 2-3 feet above viewers. This helps to minimize localization effects.

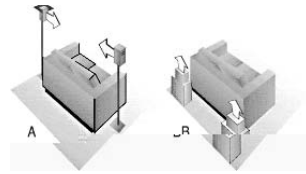
Aiming

Aim surround speakers straight across the room, not down at viewers, to help create a more open, spacious surround sound field.



No adjacent walls

Surround speakers can go on stands facing each other to approximate sidewall mounting (A), or to the sides or rear of the viewing area, aimed upwards; they can go right on the floor, or preferably, a few feet off the floor such as on end tables (B).



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Test tone/Channel balance

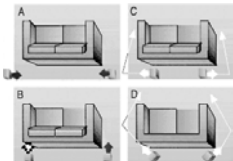
Channel balance

Your receiver is equipped with a test signal generator for balancing the channels. As the signal "travels" from channel to channel, adjust the level controls until each channel plays at the same loudness level (see page 20).

Alternative Surround Placement

Rear wall

If rear wall mounting is the only choice, aim the speakers at each other (A), towards the front (B) or towards the sidewalls (C, D). Experiment with placement until sounds seem to surround you, rather than come from behind you.



Level adjustment and surround channel level expectation

Even though you adjust the surround channel to be as loud as the others on the test signal, on actual program material the surround channel is usually much lower than the front. Don't re-adjust the surround level; program producers use surround for subtle atmospheric and ambience, and only rarely for special effects.

Overview of Controls

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Remote Control



Navigating through menus

Use the direction buttons to navigate through the menus. Press the OK button on the remote control to confirm your selection.

Remote control functions in DVD mode

ON•OFF - Switches the unit on and off.

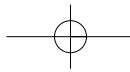
DVD - Selects the DVD mode.

TUNER - Selects the TUNER and selects between FM/AM.

USB - Selects the USB.

AUX - Selects the AUX.

0-9 - Number entry. Press 1 through 5 to directly access a disc in the disc tray.



CLEAR - Quit the current setting manually from the TV screen without saving change or delete files on the USB device.

INFO - Accesses the Info menu.

TITLE - Accesses the disc menu for DVD disc.

DISC MENU - Accesses the disc menu during playback. Turn PBC on/off for VCD disc.

OK - Confirm your selection.

MUTE - Mutes and restores the sound.

SETUP - Enter Setup menu.

RETURN - In DVD mode, returns to the previous menu.

VOL +/- - Adjusts the sound volume.

CH +/- - Directly accesses the next or previous chapter (DVD) or track (CD).

REV - Starts reverse accelerated play or reverse slow motion when playback is paused.

PLAY - Starts playing a disc.

FWD - Starts forward accelerated play or forward slow motion when playback is paused. Moves forward one frame at a time after pressing PAUSE twice.

REC - Accesses or quits the CD Ripping menu.

STOP - Stops playback.

PAUSE - Freeze frame, frame advance or slow motion.

AUDIO - Accesses the audio function.

ANGLE - Accesses the camera angle function for DVD disc.

ZOOM - Accesses the Zoom function.

SUBTITLE - Selects the subtitle languages or turns subtitle off (if available).

MEMORY - Stores station in tuner mode.

SLEEP - Enters sleep mode and selects sleep time.

SUBWOOFER - Selects among subwoofer output levels among soft/balance/strong/powerful.

RANDOM - Turns on/off random playback for CDDA/MP3/WMA/jpeg disc.

REPEAT - Accesses the repeat function.

EQ. LEVEL - Toggles channels for different channel level settings. Adjusts the value using VOL +/-.

SURROUND - Changes the Surround sound setting.

Remote control functions in Tuner mode

TUNER - Selects the TUNER and switch between FM/AM.

VOL +/- - Adjusts the sound volume.

MUTE - Mutes and Restores the sound.

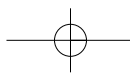
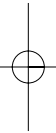
TUNER +/- - Tunes up and down the radio frequencies.

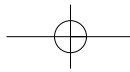
MEMORY - Stores a station.

CH +/- - Selects programmed stations.

AUDIO - Selects between Stereo and Mono mode for Tuner (FM).

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Overview of Controls

Using the remote to Navigate through On-Screen Menus

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No matter what on-screen display you're using (the unit's menu, the Info Display that appears during playback, or a disc's menu), you'll use the same buttons on the remote control to navigate through the on-screen display; the four arrow buttons and the OK button.

Use the arrow buttons on the remote to move through on-screen menus in the direction of the arrow button (to move right, press the right arrow button, etc.). The arrow buttons are used to highlight an option. Once highlighted, press the OK button to select the option that is highlighted.


Note:

- Sleep function is not available in AUX/TUNER mode.
- When selecting subwoofer output levels, SUB1/SUB2/SUB3/SUB4 will be displayed on the front display respectively.
- Insert 2 "AAA" ("UM-4"/"R03") batteries to the remote control prior to use.

Playing Discs - Basic Functions

Compatible discs

- DVD, DVD-R, DVD-RW, DVD+R, DVD+RW
- CD, CD-R, CD-RW

Compatible formats

- DVD, VCD (Video Compact Disc), SVCD (Super Video Compact Disc), jpeg
- CD, mp3, WMA

See page 24 and 25 for more information about discs and compatible formats.

Regional coding

Your unit has been designed to process regional management information stored on DVD discs. The regional code for your unit is 1. Discs that have a different regional code will not play.

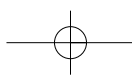
Operating the DVD receiver

1. Turn on your television set.
2. Press ON•OFF on the remote or ON/STANDBY located on the unit's front panel. Press DVD on the remote control.

Loading discs

You can load up to 5 discs into your unit, but you do not have to fill all the slots in the disc tray for the unit to work. You can load any kind of compatible disc in any combination (DVDs, CDs, VCDs). The unit will read the data on the disc and play it accordingly.

1. Press OPEN/CLOSE DISC 1/2/3/4/5 on the front panel to open the desired disc tray. (For example, press OPEN/CLOSE DISC 1 to open disc tray 1).
2. Insert a compatible disc into the disc slot.
3. When you're finished loading discs, press OPEN/CLOSE DISC 1/2/3/4/5 to close the disc tray. (For example, to close tray 1, press OPEN/CLOSE DISC 1)
4. Repeat steps 1-3 to load discs in all the disc trays.



Basic playback operations

Playback

Switch the unit and the TV set on.

1. Press OPEN/CLOSE DISC 1/2/3/4/5 on the front of the unit to open the desired disc tray.
2. Put the disc in with the printed side up (in the case of a single-sided disc).
3. Press OPEN/CLOSE DISC 1/2/3/4/5 again to close the disc tray. Play starts automatically, or the disc menu appears. If the disc menu appears, select the Play option to begin playback.
4. To skip to the next disc, press DISC SKIP on the front panel. To directly access a disc by number, and press the corresponding number on the remote (for example, to go to disc 3, press 3 on the remote).
5. Press STOP to stop playback.

Accelerated play

While the disc is playing, press REVERSE or FORWARD one or more times to vary the speed and direction of the accelerated play. Press PLAY to resume normal playback.

Pause

While the disc is playing, press PAUSE once for freeze frame. Press PLAY to resume normal playback.

Frame advance

1. Press PAUSE twice. FRAME is displayed.
2. Press FWD to move forward one frame at a time.
3. Press PLAY to resume normal playback.

Variable slow motion

1. While the disc is playing, press PAUSE once. PAUSE is displayed.
2. Press REV or FWD a number of times to vary the speed.
3. Press PLAY to resume normal playback.

Changing chapter/track

While the disc is playing, press the CH+/- button to go immediately to the next or previous chapter, or to the next or previous track.

Zoom

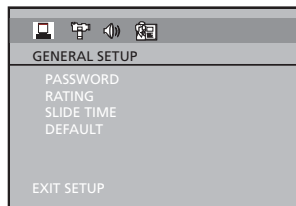
1. While a disc is playing, press ZOOM until you reach the zoom size you want. The ZOOM button toggles through 2x, 3x and then zooms out to 1/2x, 1/3x and 1/4x, then returns to normal playback.
2. Move from one area to another (pan) using the arrow buttons.
3. To turn ZOOM off, press ZOOM until you get to the ZOOM OFF option.

Types of menus

- Disc menu – The appearance and contents of this menu varies according to the type of disc you have inserted. It is separate from the Setup menu.
- Info menu – The unit's Info menu appears at the top of the screen while the disc is playing. Press INFO on the remote to switch the Info menu on or off.



- Setup menu – Press SETUP to access this menu.



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Playing Discs - Basic Functions


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Note:

- When playing disc in a certain tray (for example, tray1), pressing an empty tray number on the remote (for example, 2) will display "No disc in tray 2" for few seconds.
- When you press STOP, the unit stores the point where playback was interrupted. If you press PLAY again, playback resumes from this

point. To stop playback completely or to start again from the beginning, press STOP twice. If the unit is left in STOP mode for more than five minutes without any user interaction, a screen saver is activated. At the end of 30 minutes without any user interaction, the unit switches off automatically.

- REV slow motion is not available one VCDs.

The Info Menu

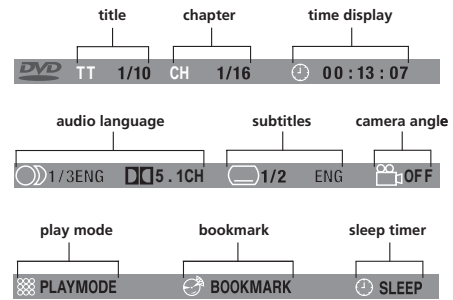
Using the Info menu

1. Press INFO on the remote while a disc is playing to display the Info menu. The first banner shows title, chapter, and time display information.
2. Press INFO again for audio language, subtitles, and camera angle.
3. Press INFO a third time for play mode, bookmark and sleep timer.
4. Use the right/left arrow buttons on the remote to select an icon.
5. Use the up/down buttons to scroll through the options.

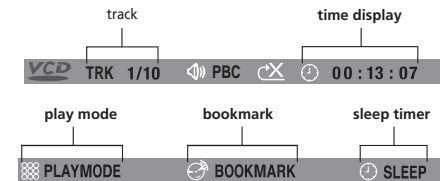

Note:

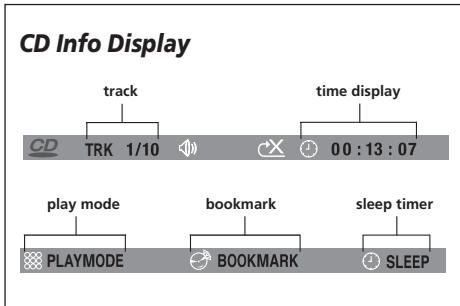
INVALID KEY will be displayed if the function you select is not available.

DVD Info Display



VCD Info Display





Title/chapter (DVD)/track (audio CD and VCD)

To directly access a title, chapter (DVD) or a track (audio CD and VCD), press INFO, press OK. Select the Title(TT), Track(TRK) or Chapter(CH) icon and enter a number directly with the numeric buttons. Press OK again to confirm.



Note:

- Many discs only have one title.

Time display

To access the Time Display, press INFO on the remote. Press the up/down buttons repeatedly to display:

DVD: Chapter elapsed time, Chapter remaining time, Title elapsed time and Title remaining time.
VCD and audio CD: Track elapsed time, track remaining time, disc elapsed time, disc remaining time.

To directly access a location on the disc which does not correspond to the start of a title or chapter, press INFO once and press OK, highlight the Time Display icon using the arrow buttons, then enter a time with the number buttons (hh:mm:ss) and press OK.



Note: Time display function may not be available on all discs.

Audio (DVD, VCD)

Some discs have several audio tracks used for different languages or different audio formats. To change the language or audio format during playback:

1. Press the INFO button twice.
2. Use the left/right arrow buttons to select the Audio icon, or press the AUDIO button on the remote control.
3. Choose a language or an audio format with the up/down arrow buttons.

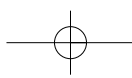
This option is only available if the disc offers dialog languages or audio formats. When you change the dialog language using the Info menu, it only changes the dialog language of the disc being played. When you eject the disc or switch off the unit, the language will revert to the one you selected in the Language Setup menu (see page 21).

Subtitles (DVD)

Subtitles are turned off by default. Turn on Subtitles as follows:

1. While the disc is playing, press INFO twice, then select the Subtitles icon using the left/right arrow buttons.
2. Select a language using the up/down arrow buttons.
3. To turn subtitles off, select the Off option or press SUBTITLE on the remote.

When you change the language of the subtitles using the Info menu, it only applies to the disc currently being played. When you eject the disc and switch off the unit, the subtitles will default to the subtitle language you selected in the Languages menu (see page 21). This function may not be available on all discs.



The Info Menu

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Camera angle (DVD)

Some discs offer different camera angles for specific scenes.

1. To change the camera angle, press the ANGLE button on the remote or press the INFO button twice and select the Camera angle icon with the left/right buttons.
2. Choose the angle with the up/down arrow buttons.

If the disc was recorded using a single camera angle, this function is not available.

Play mode (all discs except mp3/WMA/jpeg)



Note:

- For mp3 play modes, please refer to page 14.

1. While the disc is playing, press the INFO button twice for CD/VCD and three times for DVD.
2. Select the Play Mode icon using the left/right arrow buttons.
3. Use the up/down arrow buttons to select an option.
 - DVD play modes: standard, program, A-B repeat, title repeat, chapter repeat.

Program play mode is only available if a program list has been created (see below).

Repeat mode is only available with discs that display elapsed time and remaining time.

To repeat a sequence between points A and B, choose the A-B repeat option, and then follow the instructions for entering the two points.

- VCD and SVCD play modes: standard, program, disc repeat, track repeat, A-B repeat.
 - Audio CD play modes: standard, program, random (one disc), repeat All (disc), repeat all CDDA discs, repeat 1 (track), A-B repeat, IntroScan.
4. To stop repeat playback, select the Play Mode icon and use the up/down arrow buttons to choose the Standard option.

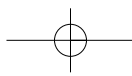
Creating a Program List for Program Play Mode (Audio CDs, DVD and VCD discs)

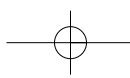
To use program play mode, you must first create a program list.

1. To create a program list, press the INFO button three times. Highlight the Play Mode option and press the up arrow to select the Program option.
2. Press OK. The Program screen is displayed.
3. The first spot in the list is highlighted. Use the number buttons on the remote to enter a track number. As for DVD discs: T stands for Title while C stands for Chapter. As for VCD discs and Audio CDs: T stands for Track.
4. Use the arrow buttons to move to the next spot in the list. Enter the next track number.
5. Continue entering tracks until you have completed your list.
6. Highlight the Play option at the bottom of the screen and press OK or press PLAY to start playback. The program list will play in the order you programmed it.

To stop program play, press STOP or select Standard from the Play Mode option in the INFO display.

If you want to cancel the list, repeat steps 1 and 2 to select CLEAR and press OK.





Creating a program List for program play mode (mp3 CDs)

To use program play mode with an mp3 disc, you must first create a program list. You can program up to 16 songs.

1. To create a program list, press the INFO button twice. Highlight the Play Mode option and press the down arrow to select the Program option.
2. Press OK. The Program screen is displayed.
3. The F stands for Folder, and the T stands for Track. Highlight the space below the Folder indicator (F) and use the number buttons to enter the desired folder number.
4. Use the arrow buttons to move to the space beneath the Track indicator (T). Use the number buttons to enter the track number.
5. Repeat steps 3 and 4 until you have completed your list.
6. Highlight the Play option at the bottom of the screen and press OK or press PLAY to start playback. The program list will play in the order you programmed it.

To stop program play, press STOP or select Standard from the Play Mode option in the INFO display.

If you want to cancel the list, repeat steps 1 and 2 to select CLEAR and press OK.

Bookmark (DVD and audio CD)

The unit can store up to 5 disc locations as long as the disc remains in the unit and the unit remains switched on.



Note: This function is only available with discs whose elapsed time or remaining time appears in the Info menu.

1. Press INFO twice for CD/VCD and three times for DVD. Select the Bookmark icon with the left/right buttons, and press OK. A menu is displayed with five bookmarks.

2. The first bookmark space is highlighted. Press OK to set the bookmark. The book mark is saved and is indicated by the number 1. You can set up to five bookmarks on a disc.
3. To start playback from a bookmark, press the PLAY button on the remote.
4. To delete a bookmark, highlight it and press CLEAR.

Sleep

1. Press INFO twice for CD/VCD and three times for DVD. Select Sleep icon with the left/right arrow buttons.
2. Select one of the available options using the OK button or pressing the SLEEP button on the remote: Off, 30, 60, 90 or 120 minutes.

PBC (Playback Control – VCD)

When playing a VCD, PBC gives you access to scenes and information that can be selected through a menu. PBC also lets you display high-resolution pictures, if the disc contains any.

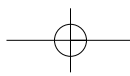
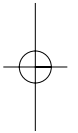
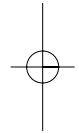
1. Press INFO, then select the PBC icon with the left/right arrow buttons.
2. Press OK.
3. Use the up/down arrow buttons to turn PBC on or off, or press the DISC MENU button on the remote.

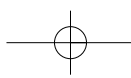
Introsan (CD)

This option plays the first ten seconds of each track on a CD.

1. Press the INFO button twice, then select the Playmode icon with the left/right arrow buttons.
2. Press the up/down arrow buttons to select the INTRO option and press OK to start IntroScan.
3. Press STOP to stop Introsan, and press PLAY to resume normal playback.

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Mp3/WMA Files and jpeg Files

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Playing mp3/WMA files or displaying jpeg files

Mp3/WMA is an audio file format which compresses recorded music. The main advantage of the mp3/WMA format is that CD-quality music tracks can be stored on a personal computer in user friendly compressed files.

Jpeg files are image files. Make sure that they have a resolution of less than 2 megapixels.

1. Open the disc tray.
2. Place the disc with the printed side facing up and close the disc tray.
The folders on the disc will be listed in numerical order on the left side of the screen. When you highlight a folder, the list of songs or pictures in the folder are listed in numerical order on the right side of the screen.
3. Select a folder using the up/down arrow buttons on the remote, then press the left arrow button to move to the music/picture icons at the bottom of the screen. Use the left/right arrow buttons to select either music or picture mode.
4. Press the up arrow button to move to the file list on the right side of the screen. Use the up/down arrow buttons to select a file. Press OK or PLAY to start playback.
 - **mp3/WMA file:** the unit begins playing the selected file, then all the files and subfolders contained in the same folder. The unit then plays the contents of the folders at the same level as the folder containing the file selected at the start.
 - **jpeg file:** the unit starts the slide show with the jpeg file you have selected, then displays all the jpeg files in the same folder, then all the jpeg files in the subfolders located in the same folder. You can set the amount of time a picture remains on the screen in the General Setup menu (see page 19).

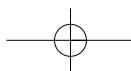
During the slide show you can use the left/right button to rotate the picture, the up arrow button to rotate the image vertically, the down arrow button to rotate the image horizontally. Use the ZOOM button to magnify the picture. Use the CH- button to go back to the previous picture or the CH+ button to go to the next one, and the STOP button to interrupt the slide show and display the disc's contents.

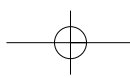
5. Press INFO to display the Info menu during playback. mp3/WMA file: with the disc playing, press INFO two times and select the Play Mode icon using the left/right arrow buttons. Press the up/down arrow button to select a play mode [Standard, Random, Program, Repeat DIR (Folder), Repeat ALL (Disc) and Repeat 1 (Track)], and press OK.
6. When the unit has played all the files, the music or slide show stops and the disc's contents are displayed again.
7. Press STOP to end playback.



Note:

- mp3/WMA files and jpeg files could not playback simultaneously.
- The time taken for the contents of the disc to be displayed varies according to the size and number of jpeg files on the disc. If nothing is displayed after a few minutes, the file sizes may be too large. Reduce the files' resolution and write another disc.
- Before inserting a disc, make sure it is compatible with the unit.





Radio

The unit has a built-in tuner that allows for FM radio function. The AM loop antenna allows for AM radio function.

Manual tuning

1. Connect the FM antenna and the AM loop antenna at the back of the unit. Rotate the AM loop for better reception.
2. Press TUNER.
3. Tune a station by pressing TUNER+/- repeatedly until the desired station is found. Alternatively, you can press and hold the same buttons down for about one second to activate the automatic search function. In this mode the unit will automatically tune frequencies until it finds a station.
4. Repeat step 3 to tune to another radio station.
5. Press TUNER to toggle between FM and AM.

Storing radio stations

The unit can store up to 30 radio stations in its memory. You can enter every single radio station yourself or the unit can store all available radio stations automatically in ascending order.

Automatic preset programming

1. Press TUNER to enter the Tuner mode.
2. Press and hold TUNER for two seconds to start automatic preset programming.
3. Radio frequencies will be browsed and radio stations stored automatically. When all the available radio stations are stored or all 30 memory locations are full, the auto preset programming function will stop.

Manual preset

1. Tune to a radio station (see "Manual tuning" for details).
2. Press MEMORY. While the Program Preset number is still flashing, input your desired preset number using the numeric buttons or press the CH+/- buttons, then press MEMORY to store it.

Retrieving preset stations

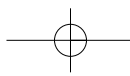
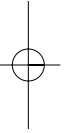
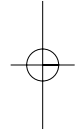
1. Press TUNER to enter the Tuner mode.
2. Press CH +/- to search up or down for the preset stations or directly press the numeric buttons.

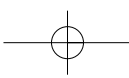


Tip:

- When the FM station broadcasts Stereo sound is found, ST is displayed.
- When you tune at a weak FM station manually, press AUDIO on remote control to switch from Stereo to Mono mode. This will reduce the background noise.
- If there is any interference, change the antenna's position until ideal sound reception is obtained. TV and other electronic devices could be the cause of interference, so try to position the antenna away from them.
- A weak signal can affect the "Automatic preset programming" function's efficiency. Adjust the antenna for better reception and a more efficient search.

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USB Device

An overview

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This unit supports MSC devices. You can connect your own USB storage devices, then you can start playback.

Connecting/Disconnecting USB device to the Unit

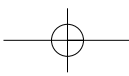
Insert the USB drive's connector into the main unit's USB jack of the unit. To disconnect, unplug the drive.

USB device playback features

1. Press USB to select USB mode.
2. Playback starts automatically. Press PAUSE to pause playback and press PLAY again to resume.
3. Press STOP to end playback.
4. Press CH+/- buttons on the remote control to skip to the previous or next file.
5. You may also follow the playback instruction steps 3-7 on playing mp3/WMA files and jpeg files on P.14.



Note: The unit only support mp3/WMA/jpeg files on USB device.



CD Ripping

An overview

CD ripping allows you to rip tracks on CD to USB device. This unit supports MSC devices. Connect the USB device first before ripping.

Ripping CD to USB device

1. During CD playback, press REC on the remote to activate the Ripping Menu.
2. Select one of the menu items using the up/down arrow buttons. Press the left/right arrow buttons or OK to change the setting.

Speed

High speed ripping mode can save time when ripping from CDs. Select 1x(normal speed) or 2x(double speed) by pressing the left/right arrow buttons. Press the down arrow button to move to the next menu item.

Source

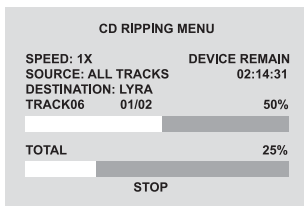
You can select to rip one track(TRACK), the whole disc(ALL TRACKS) or programed tracks (PROGRAM). Press the down arrow button to move to the next menu item.

Destination

The destination of the ripped files is defaulted as USB. No selection is needed.

Start Ripping CD

Highlight START and press OK to start ripping.



The screen above appears when ripping start. The first progress bar represents the progress percentage of the current ripping track while the second progress bar represents the total percentage. The percentage of both bars will be identical if there is only one track to rip.

To stop ripping during the process, highlight STOP button and press OK.

When ripping has finished, press REC to quit the ripping menu.

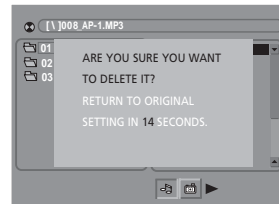
EN

File Names of Ripped Files

You can find the ripped files saved in a folder named "CDRECORD" with file name as "CDTKxx01", "CDTKxx02"...etc.

Deleting Files

In USB mode, select the unwanted files by pressing the arrow buttons. Press and hold CLEAR on remote to delete files and select YES and press OK to confirm deletion.



Note:

- CD Ripping function only supports CDDA discs.
- No sound will be heard during ripping if you select 2x(double speed).
- CD Ripping function does not support ripping files to Mult Card Reader via USB port.
- "NO USB DEVICE" will be displayed if no USB device is connected to the unit.
- "NO PROGRAM TRACK" will be displayed if no program list is created.
- "USB DEVICE IS FULL" will be displayed if the USB device is full.
- "USB WRITE PROTECT" will be displayed if the USB device is write-protected. You should switch off the write protection first.
- You can select ripping speed even after ripping is started. Highlight the SPEED option and press the left/right arrow buttons.
- "DEVICE REMAIN" indicates the total remaining time of the USB device.

The Setup Menu

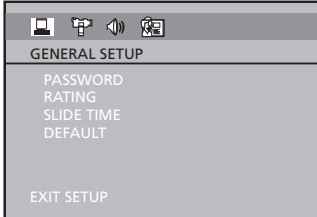
EN

There are four options in the main setup menu: General Setup, Display Setup, Speaker Setup and Language Setup.

Press **SETUP** to bring up the main menu. Select one of the menu icons across the top of the screen using the left/right arrow buttons. The menu's options are displayed on the left side of the screen. Press the right arrow button to move to the option's choices on the right. Highlight **EXIT SETUP** and press **OK** if you want to exit setup.

General Setup

You can control access to the unit and the type of discs your family can watch with the lock function. Locking the unit prevents playback of DVDs that may not be suitable for all audiences by using the rating level encoded on the disc (not all discs are rated). If the rating level of the disc is higher than the preset level, playback is prohibited unless a password is entered.



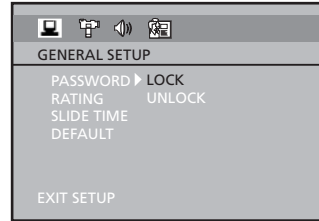
Password

Locking the Unit

1. To activate locking according to your preset rating limits, highlight the **PASSWORD** option using the up/down arrow buttons and select **LOCK** and press **OK**.
2. You are asked for a new password. Enter four digits using the number buttons and press **OK**.
3. You are asked for confirmation; enter the four digits again and press **OK**.

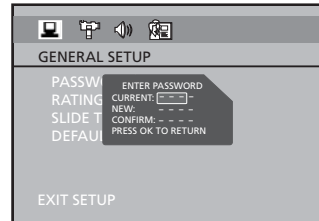


Note: Choose a password that is easy to remember, or write it down.



Unlocking the Unit

1. To unlock the unit or set a new password, highlight the **PASSWORD** option using the up/down arrow buttons and select **UNLOCK**.
2. Enter your password and press **OK**.



Changing the Password

When you unlock the unit, you must assign a new password the next time you lock the unit. To change the current password, unlock the unit as described above, and then relock it.

Rating

The disc publisher is responsible for coding scenes according to the rating limits. Below is an explanation of Ratings.

To change the rating limit, highlight the RATING option and press the right arrow button. Select the rating limit using the up/down arrow buttons and press OK.

Rating limits take affect only when the unit is locked.

Rating Explanations

- 1 KID SAFE – Kid safe; it is safe even for kids.
- 2 G – General Audience; recommended as acceptable for viewers of all ages.
- 3 PG – Parental Guidance suggested.
- 4 PG13 – Material is unsuitable for children under age 13.
- 5 PG-R – Parental Guidance-restricted; recommended that parents restrict children under age 17 from viewing or allow children to view only when supervised by a parent or adult guardian.
- 6 R – Restricted, under 17 requires accompanying parent or adult guardian.
- 7 NC17 – NO children under age 17; not recommended viewing for children under age 17.
- 8 ADULT – Mature material; should be viewed only by adults, due to graphic sexual material, violence, or language.

Slide Time

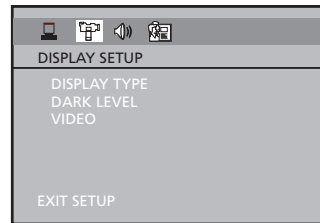
The Slide Time option lets you select the amount of time a picture is displayed in a slide show. The choices are 3 seconds, 5 seconds, or 10 seconds.

Default

This option allows you to return the unit's settings to the original factory settings. Any changes you have made to the unit's settings will be reverted back to the original settings, except the password.

Display Setup

1. Select the Display icon in the main menu using the left/right arrow buttons.
2. Select a menu option using the up/down arrow buttons and press OK.



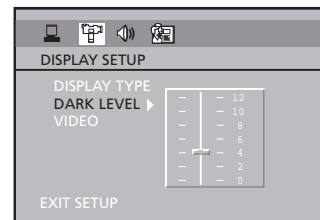
Display Type

Depending on the format of the DVD disc, you can choose the picture format (aspect ratio) best suited to the format of your TV screen:

- 4x3 PS: reproduces a 4x3 picture without distortion.
- 4x3 LB: gives best reproduction of pictures recorded in this format (i.e. with horizontal bands at the top and bottom of the screen) or in 16x9.
- 16x9 (widescreen): reproduces 16x9 format films in full on a 16x9 screen.

Dark level

This option lets you adjust the video brightness level on a scale of 0 to 12, with 12 being the brightest.



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The Setup Menu

Video

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Progressive Function provides high quality pictures with less flickering. Turn on Progressive Scan if you used the Component Video jacks of the unit to connect a TV or monitor compatible with a progressive scan signal.

Select ON and press OK to activate Progressive Scan.



IMPORTANT!

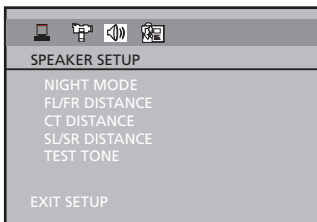
Once Progressive Scan has been activated, an image will only be visible on a progressive scan TV or monitor. If you choose this option and you do not have a progressive scan TV or monitor, you may get a picture with incorrect color or no color.

Press and hold SUBWOOFER on the front panel. The video output will be restored to the standard setting and a picture will once again be visible on a conventional analog TV or monitor.

Speaker Setup

You can adapt your unit to other equipment and access specific functions with the Speaker Setup menu.

1. Select the Speaker Setup icon in the main menu using the left/right arrow buttons.
2. Select an option using the up/down arrow buttons. Press the right arrow to move to the option's choices.



Night Mode

You can use this function to control the different sound levels via dynamic compression. It improves the quality of the sound track at a low volume, and quiets the loudest sounds. You can choose between Quiet, Moderate or Off.

Distance

Basic settings have been preset for the speakers included with your unit. However, to suit the acoustic conditions in your listening room and to make the sound more effective, you may need to delay the signal coming from some of the speakers. Channel delay compensates for center or surround speakers that are closer to the listening position than the front speakers.

1. Highlight a distance option using the up/down arrow buttons.
 - Front (FL/FR DISTANCE)
 - Center (CT DISTANCE)
 - Surround (SL/SR DISTANCE)
2. Press the right arrow button to move to the default distance.
3. Press the up/down arrow buttons to adjust the distance.

Test Tone

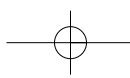
This function is used to test the speaker setting and change the speaker level. A short noise comes successively from each speaker.



Note:

- Night mode function is available only on DVD discs recorded in Dolby Digital.
- The receiver speaker distance default settings are as follows:

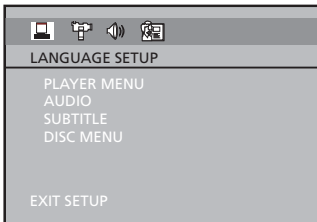
Front (FR/FL Dist.)	15 ft
Center (Cen Dist.)	15 ft
Surroudn (SR/SL Dist.)	10 ft



Language Setup

With this menu, you can set the language for unit menus, dialog, subtitles and the disc menus.

If you chose "English" during initial set-up, any menus generated by the disc are in English, and so is the language of the dialogs (if this language is available on the disc).



1. Select the Language Setup icon in the main menu using the left/right arrow buttons.
2. Select one of the options using the up/down arrow buttons.
3. Press the right arrow button to move to the language choices.
4. Use the up/down arrow buttons to highlight the language of your choice and press OK.

Player Menu

Select the language of player menus and press OK.

Audio

Select the dialog language using up/down arrow buttons and press OK.

To change the Audio language during playback, press INFO twice for DVD and use the left/right arrow buttons to highlight the Audio icon.

Press the up/down arrow buttons or AUDIO on the remote control to select audio language.

Subtitles

Select the subtitle language using up/down arrow buttons and press OK.

To change the language of the subtitles during playback, press INFO twice for DVD and use the left/right arrow buttons to highlight the Subtitle icon. Press the up/down arrow buttons or the SUBTITLE button on the remote to select a subtitle language.

Disc Menu

To change the language of the disc menus, select the language using the up/down arrow buttons and press OK.

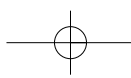
The language you select will only be displayed if the disc is programmed with that language.



Note:

- If the selected language is not available on a disc, the disc's language will be used instead.
- If the language chosen is available, it is automatically selected when you display the subtitles or press SUBTITLE on the remote control. Otherwise, the subtitle language indicated on the disc is selected.

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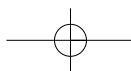


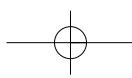
Additional Information

Troubleshooting

EN

Problem	Solution	Problem	Solution
The unit does not switch on.	<ul style="list-style-type: none"> • Make sure it is plugged in. • Press the ON•OFF button on the remote control or the ON/STANDBY button on the front of the unit. 	No surround sound.	<ul style="list-style-type: none"> • Check the speaker configuration in the Setup menu (See Positioning speaker on pages 4-5 or Speaker Setup on page 20).
The device switches off spontaneously.	<ul style="list-style-type: none"> • The device switches off automatically when it is in STOP mode for more than 30 minutes without any user intervention. Switch it on again. • It might be impossible to read the disc. • Insert the disc with the printed side facing up. • Check that the disc can actually be played by this device (see page 24). • Check that the disc's regional code matches the unit's regional code. This unit's regional code is 1. • Clean the disc. 	I can't find my file in the WMA/mp3/jpeg listing.	<ul style="list-style-type: none"> • Make sure the filename is valid (see page 24 and 25).
There is no picture.	<ul style="list-style-type: none"> • Check you have switched on the TV set. • Check the connections (see pages 2, 20 and Quick Start Guide). • Select the AV input assigned to the unit on the TV. 	The remote control does not work or works only intermittently	<ul style="list-style-type: none"> • Check that batteries are inserted or change them. • Aim the remote control at the unit. The infrared beam must not be blocked or interrupted. • Check that the remote control is configured to control the device you are trying to operate with it.
The picture is of poor quality (with snow or lines).	<ul style="list-style-type: none"> • Check the connections (see pages 2 and 20 and Quick Start Guide). 	The subtitles do not appear.	<ul style="list-style-type: none"> • Check that the DVD disc provides subtitles. • Refer to the section on how to display subtitles (see page 12).
There is no sound or the sound is of poor quality.	<ul style="list-style-type: none"> • Check the connections (see page 2 and 3). • Make sure the speakers are connected. • Make sure the MUTE function is not on. 	The disc menu language is not the correct one.	<ul style="list-style-type: none"> • The disc menu language has not been set up (see page 21). • The language of your choice is not available on the disc (see page 21).
		You have forgotten your password (Parental control).	<ul style="list-style-type: none"> • Use the super password: 9688.





Precautions

Use

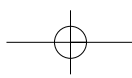
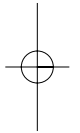
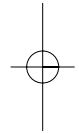
- If your unit has been stored in a cool place for any length of time, during a journey for example, wait for about 2 hours before using it.
- The openings located on the top and bottom are for ventilation and must not be obstructed.
- During thunderstorms, we recommend that you isolate the unit from the electrical supply so that it is not damaged by electrical or electromagnetic surges.
- This unit is designed for continuous use. Switching off the unit to standby mode does not disconnect it from the mains supply. To completely isolate the equipment, remove the plug from the mains jack as some components remain connected to the electrical supply.
- If you notice any burning or smoke, disconnect the unit immediately to avoid any risk of electrocution.
- Do not attempt to look inside the unit through the disk tray opening or any other opening. You may be electrocuted or exposed to laser radiation.
- This unit is for domestic use only and must not be used for industrial purposes.
- Total or partial copying of recordings protected by copyright legislation, without the explicit permission of the holder of the rights, contravenes current legislation. Copying or downloading music files for sale or any other business purpose constitutes or could constitute a violation of copyright law.

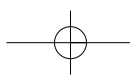
Cleaning

- Use a soft, dry, clean cloth. Regularly dust the vents at the back or sides.
- Using solvents, abrasive or alcohol-based products risks damaging the unit.
- If an object or liquid enters inside the unit, unplug it immediately and have it checked by an authorized servicer or service center.

Handling and caring for discs

- Handle your discs with care. Hold the disc with your fingers at the edges or through the hole.
- Insert the disc with the label facing up (for a single-sided disc).
- Place the disc properly into the tray in the allotted holder.
- Use a soft cloth to clean discs if necessary, always wiping from the centre to the edge.
- Always put discs back in their cases after use and store in a vertical position.
- Do not close the tray with two discs in it or with a disc not sitting correctly in the holder.
- Do not play cracked, chipped or warped discs nor try to repair them with adhesive tape or glue.
- Do not write on a disc.
- Do not move the unit when a disc is being played.
- Do not scratch discs or store them in places exposed to direct sunlight, high humidity or high temperatures.
- Do not use aerosol cleaners, benzene, anti-static liquids or any other solvent for cleaning discs. When cleaning, wipe gently with a soft damp (water only) cloth from the centre to the edge, avoiding circular motions, which could cause scratches and interference during playback.

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Additional Information

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Compatible Formats

In order to ensure playback, discs must conform with DVD, CD, VCD or SVCD standards. This unit may not play some recordings or files due to differences in recording formats, software used & Disc types.

DVD-Video

Digital video discs - 12 cm, single or double sided, single or dual layer. DVDs are high density optical discs on which high quality picture and audio are recorded by means of digital signals.



DVD-R, DVD-RW, DVD+R, DVD+RW

Most DVD-R and DVD+R (one recording only), DVD-RW and DVD+RW discs (rewritable), depending on the DVD writer and discs used. Recordings using DVD-R and DVD-RW discs must be made in Video DVD mode. Recordings using DVD+RW discs must be made in accordance with the specifications for DVD+RW discs with a 4.7 GB capacity.



VCD - Video Compact Disc

CD on which you can record up to 74 min. of VHS quality video associated with still images, audio tracks and interactive menus.



SVCD - Super Video Compact Disc

Most SVCDs comply with the IEC62107 standard. SVCDs can be used to record up to 70 minutes of digital sound and images in accordance with MPEG-2 standards for video and MPEG-1 standards for audio.

Audio CDs

Audio CDs (12 cm).



CD-R, CD-RW

Most CD-R (one recording only) and CD-RW discs (rewritable).



CD-Rs written during a multisession recording can be played, provided that the session has ended before the disc is played (depending on the write

software). However, depending on the condition of the CD-writer, computer and the disc used, you may find that not all discs will play. When playing a CD-R disc, it is normal for the unit to take up to 20 seconds to recognize the disc before starting to play.

If the disc is not recognized after a period of 20 seconds, remove the disc, and insert it again.

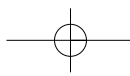
- Do not use its full capacity.
- CD-Rs should be preferably used instead of CD-RWs (rewritable CDs) as, in certain cases, CD-RW playback may be faulty.
- Use reliable, good-quality CD write software.
- Close all other applications on the computer to ensure reliable CD-R disc recording.

Mp3 files

CD-R and CD-RW discs containing audio files in mp3 format. For CD-R mp3 discs, please follow all the recommendations for CD-R, along with the comments below:



- Your mp3 files should be ISO 9660 or JOLIET format. ISO 9660 format and Joliet mp3 files are compatible with Microsoft's DOS and Windows, as well as with Apple Mac.
- Mp3 filenames should not exceed 8 characters, and should end with the ".mp3" extension. General name format: Title.mp3. When composing your title, use 10 characters or less, no spaces, and avoid the use of special characters including (. / , \ , = , +).
- The total number of files on a disc should be less than 400.
- Use a decompression transfer rate of at least 128 kB/sec (kilobytes/second) when recording mp3 files. Sound quality with mp3 files basically depends on the rate of compression/decompression you choose. Obtaining audio CD quality sound requires an analog/digital sampling rate, that is conversion to mp3 format, of at least 128 kB/sec and up to 160 kB/sec. Choosing higher rates, such as 192 kB/sec or more, only rarely produces even better sound quality. Conversely, files with sampling rates below 128 kB/sec will not play properly.



- Do not record copyright-protected mp3 files. "Securized" files are encrypted and code protected to prevent illegal copying.

Important: The above recommendations do not guarantee that the unit will play mp3 recordings, or as an assurance of sound quality. Certain technologies and methods for mp3 file recording on CD-Rs prevent optimal playback of these files on your unit (i.e. degraded sound quality and in some cases, inability of the unit to read the file).

jpeg files

CD-R and CD-RW with jpeg files. Certain jpeg files, including progressive jpeg files, cannot be read by this unit.

The total number of files and folders on the disc should be less than 650. Make sure that files have the ".jpg" extension. Files without the ".jpg" extension will not be able to be read by the unit - even though the files are shown as jpeg images on your computer.

WMA files

CD-R and CD-RW discs containing audio files in WMA (Windows Media Audio) format. Please follow all the recommendations for CD-R above.



Sound Enhancement Systems

This receiver is equipped with several built-in sound enhancement systems.

Dolby Digital



Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

The Dolby Digital mode lets you enjoy full digital surround from software processed in the Dolby Digital format. Dolby Digital provides better sound quality and a more powerful presence than conventional Dolby Surround. This unit is equipped with Dolby Digital 5.1-channel so that you can enjoy enhanced full digital surround sound. Different from Dolby Pro Logic in that only four channels (Front Left, Front Right, Centre and Rear) are used, the new system provides stereo separation of the rear speakers (Rear-Right, Rear-Left). Adding the to the 5 channels the subwoofer channel for bass sounds (counted as 0.1 channel) results in 5.1 channels (or 6 Channels) that bring you the most sophisticated Dolby Digital sound enjoyment.

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Additional Information

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Technical Specifications:

Amplifier Section:

RMS Output Power: Dolby Digital Mode with 10% Total Harmonic Distortion
 Rear Channels: 40 Watts each Channel (1KHz, 4Ohm)
 Front and Center Channel: 40 Watts each Channel (1KHz, 4Ohm)
 Subwoofer Channel: 50 Watts (100Hz, 3Ohm)
 Total RMS Output Power, Dolby Digital mode : 250 W

FTC Output Power: Dolby Digital Mode with 10% Total Harmonic Distortion
 Front Channels (L and R): 20 Watts per Channel (1KHz, 4Ohm)
 Rear Channels (L and R): 20 Watts per Channel (1KHz, 4Ohm)
 Center Channel: 30 Watts (1KHz, 4Ohm)
 Subwoofer Channel: 35 Watts (100Hz, 3Ohm)
 Total FTC Output Power, Dolby Digital mode: 145 Watts

Muting Attenuation: 70 dB
 Frequency Response: 200Hz - 20KHz/3dB, 1KHz ref.
 Subwoofer Frequency Response: 20Hz-200Hz/-3dB, 100Hz ref.
 Signal to Noise Ratio: 70 dB (Dolby digital mode)

AM Tuner Section:

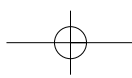
Frequency Response: 2kHz +/-3dB, 400Hz ref.
 Usable Sensitivity: 3000uV/m @ S/N 20dB
 Signal to Noise: 38dB
 IF Rejection: 35dB

FM Tuner Section:

Frequency Response: 15kHz +/-3dB, 1kHz ref.
 Quieting: 24dB
 Signal to Noise: 62dB(stereo) / 65dB(mono)
 IF Rejection: 70dB

Dimensions (H x W x D mm) :

Unit - 66 x 360 x 334
 Front Speakers and Stands - 163 x 81 x 90
 Front Speakers without Stands - 109 x 81 x 90
 Center Speaker - 82 x 185 x 92
 Rear Speakers - 110 x 81 x 90
 Subwoofer - 310 x 155 x 291



Limited Warranty

What your warranty covers:

- Defects in materials or workmanship.

For how long after your purchase:

- One year from date of purchase - Unit exchange, which includes parts and labor.
- The warranty for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.

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What we will do:

- Exchange the defective unit for a new, or at our option, refurbished unit.

How you get service:

- Call 1-580-634-0366 and have your unit's date of purchase and model/serial number ready. The model/serial number information is on the back of your unit.
- A representative will troubleshoot your problem over the phone.
- If the representative determines that you should receive a replacement unit you will be provided with a Service Request (SR) number. No returns will be accepted without the SR number.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

Option I: Send you a replacement unit.

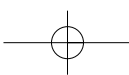
1. Provide your Discover, MasterCard or Visa account number and expiration date to your phone representative. This is for security purposes only and your account will not be charged at this time.
2. We will send you a replacement unit.
3. If you return the defective unit to us within 14 days from the date you were provided a SR number, only items not covered by warranty will be charged to your account. If your unit is not received within 14 days, the suggested retail value of the unit will be charged to your credit card. This amount will be credited, less a handling fee, if the unit is subsequently received.
4. Ship your defective unit back to us, less accessories, using the replacement unit's carton. Shipping instructions will be included in the carton along with your SR number which will allow you to easily ship the unit back to us. Make sure you insure your shipment in case of damage or loss. Include with the shipment:
 - Evidence of purchase date such as a bill of sale.
 - A brief note describing your unit's problem.
 - Your name, address and phone number.

Option II: Provide you a replacement unit at our exchange point.

1. For a fee, we will send a replacement unit to our exchange point.
2. The exchange location will notify you of its arrival.
3. Take your unit and evidence of purchase date, such as a bill of sale, to the exchange location and you will be provided the new or refurbished unit. Please retain all accessories such as the remote control hand unit.
4. If the repairs are covered by your warranty, you will not be billed. Thomson assumes no responsibility for warranty shipments from the customer to the factory if not shipped in the manner prescribed by Thomson.

To receive a replacement unit after we have received your unit:

 - Write the SR number on the outside of the carton used to return the unit. Make sure you insure your shipment in case of damage or loss.
 - Carefully pack the unit using the original box and packing material if possible. Please retain all accessories that were included with your unit such as the remote control hand unit.



Limited Warranty

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- Include with the shipment:
 1. Evidence of purchase date such as a bill of sale.
 2. A brief note describing your unit's problem.
 3. Your name, address and phone number.
- The representative will advise the address to mail a cashier's check or money order for payment if there are any out of warranty labor or parts charges, and you elect not to use your credit card.
- After we receive your product, a new or refurbished unit will be shipped to you.

What your warranty does not cover:

- Acts of nature, such as but not limited to lightning damage.
- Adjustment of customer controls.
- Damage from misuse or neglect.
- A unit that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- Batteries.
- Units purchased, serviced or operated outside the U.S.A.
- Loss of programming. It is recommended that you retain all original CD software that was loaded in the unit.
- Installation.
- Shipping damage if the unit was not packed and shipped in the manner prescribed by Thomson.
- Storage fees may be charged by the exchange point if you fail to pick up the replacement unit in a timely manner.

Product Registration:

- Please complete the online Product Registration on RCA.com/productregistration or complete and mail the Product Registration Card packed with your product. This will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

Limitation of Warranty:

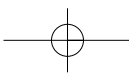
- THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON, ITS AGENTS OR EMPLOYEES SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.
- REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. THOMSON SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF INDIANA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

How state law relates to warranty:

- Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your product outside the United States:

- This warranty does not apply. See your dealer for warranty information.





IMPORTADOR

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Col. Roma. Delegación Cuauhtémoc
C.P. 06700. México, D.F.
Telefono: 52-55-11-020360
RFC: CTM-980723-K55



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